

# **ETHYLENE POLYMERS AND COPOLYMERS WITH HIGH OPTICAL OPACITY AND METHODS OF MAKING THE SAME**

## **Abstract**

5           This invention relates to the field of metal-catalyzed olefin polymerization  
methods and the polymers and films prepared therefrom. In one aspect, this  
invention provides polyethylene and ethylene/ $\alpha$ -olefin copolymers formed in the  
presence of tightly-bridged metallocene catalyst, organoaluminum cocatalyst, and  
a chemically-treated solid oxide, and optionally in the presence of additional  
10       cocatalysts. The resins and films prepared from these polymers exhibit high haze  
values, low clarity values, and a low coefficient of friction.

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